

Kenneth Yin Zhang

List of Publications by Year in descending order

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218677

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5117
citing authors

#	ARTICLE	IF	CITATIONS
1	Color-Tunable Dual Persistent Emission Via a Triplet Exciton Reservoir for Temperature Sensing and Anti-Counterfeiting. <i>Advanced Optical Materials</i> , 2022, 10, 2101773.	7.3	34
2	Manipulating Electroluminescence Behavior of Viologen-Substituted Iridium(III) Complexes through Ligand Engineering for Information Display and Encryption. <i>Advanced Materials</i> , 2022, 34, e2107013.	21.0	19
3	Dual-lifetime luminescent probe for time-resolved ratiometric oxygen sensing and imaging. <i>Dalton Transactions</i> , 2022, 51, 6095-6102.	3.3	3
4	Cellular imaging properties of phosphorescent iridium(III) complexes substituted with ester or amide groups. <i>Dalton Transactions</i> , 2022, 51, 10501-10506.	3.3	4
5	Dynamic tuning of metal-ligand coordination through water molecules to induce multicolor fluorescence variations for humidity monitoring and anti-counterfeiting applications. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5945-5951.	5.5	11
6	Layer-by-Layer 2D Ultrathin Conductive Cu ₃ (HHTP) ₂ Film for High-Performance Flexible Transparent Supercapacitors. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100308.	3.7	30
7	Bioorthogonal α -Labeling after Recognition-Affording an FRET-Based Luminescent Probe for Detecting and Imaging Caspase-3 via Photoluminescence Lifetime Imaging. <i>Journal of the American Chemical Society</i> , 2020, 142, 1057-1064.	13.7	64
8	Cell-Membrane Staining Properties and Photocytotoxicity of a Ruthenium(II) Photosensitizer. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 3996-4001.	2.0	4
9	Thermally activated triplet exciton release for highly efficient tri-mode organic afterglow. <i>Nature Communications</i> , 2020, 11, 842.	12.8	194
10	Cyclometalated iridium(III) complexes containing an anthracene unit for sensing and imaging singlet oxygen in cellular mitochondria. <i>Journal of Inorganic Biochemistry</i> , 2020, 209, 111106.	3.5	10
11	Simple fluorene oxadiazole-based Ir(III) complexes with AIPE properties: synthesis, explosive detection and electroluminescence studies. <i>Dalton Transactions</i> , 2019, 48, 13305-13314.	3.3	14
12	Rational Design of Phosphorescent Iridium(III) Complexes for Selective Glutathione Sensing and Amplified Photodynamic Therapy. <i>ChemBioChem</i> , 2019, 20, 576-586.	2.6	21
13	De Novo Design of Polymeric Carrier to Photothermally Release Singlet Oxygen for Hypoxic Tumor Treatment. <i>Research</i> , 2019, 2019, 9269081.	5.7	18
14	Long-Lived Emissive Probes for Time-Resolved Photoluminescence Bioimaging and Biosensing. <i>Chemical Reviews</i> , 2018, 118, 1770-1839.	47.7	644
15	Dynamic metal-ligand coordination for multicolour and water-jet rewritable paper. <i>Nature Communications</i> , 2018, 9, 3.	12.8	128
16	Achieving efficient photodynamic therapy under both normoxia and hypoxia using cyclometalated Ru(II) photosensitizer through type I photochemical process. <i>Chemical Science</i> , 2018, 9, 502-512.	7.4	216
17	Using Ultrafast Responsive Phosphorescent Nanoprobe to Visualize Elevated Peroxynitrite In Vitro and In Vivo via Ratiometric and Time-Resolved Photoluminescence Imaging. <i>Advanced Healthcare Materials</i> , 2018, 7, e1800309.	7.6	35
18	Phosphorescent iridium(III) complexes capable of imaging and distinguishing between exogenous and endogenous analytes in living cells. <i>Chemical Science</i> , 2018, 9, 7236-7240.	7.4	45

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19	Dual-Emissive Phosphorescent Polymer Probe for Accurate Temperature Sensing in Living Cells and Zebrafish Using Ratiometric and Phosphorescence Lifetime Imaging Microscopy. ACS Applied Materials & Interfaces, 2018, 10, 17542-17550.	8.0	56
20	Dual-Phosphorescent Iridium(III) Complexes Extending Oxygen Sensing from Hypoxia to Hyperoxia. Journal of the American Chemical Society, 2018, 140, 7827-7834.	13.7	151
21	Photothermal-triggered release of singlet oxygen from an endoperoxide-containing polymeric carrier for killing cancer cells. Materials Horizons, 2017, 4, 1185-1189.	12.2	50
22	RGDâ€‘Peptideâ€‘Modified NaLuF ₄ :Yb,Er Nanocrystals for Upconversionâ€‘Luminescenceâ€‘Targeted Tumorâ€‘Cell Imaging. European Journal of Inorganic Chemistry, 2017, 2017, 5169-5175.	2.0	6
23	Boron-Functionalized Phosphorescent Iridium(III) Complexes. European Journal of Inorganic Chemistry, 2017, 2017, 4393-4405.	2.0	16
24	Luminescent gold nanocluster-based sensing platform for accurate H ₂ S detection in vitro and in vivo with improved anti-interference. Light: Science and Applications, 2017, 6, e17107-e17107.	16.6	85
25	Luminescent ion pairs with tunable emission colors for light-emitting devices and electrochromic switches. Chemical Science, 2017, 8, 348-360.	7.4	45
26	Tunable Electrochromic Luminescence of Iridium(III) Complexes for Information Selfâ€‘Encryption and Antiâ€‘Counterfeiting. Advanced Optical Materials, 2016, 4, 1167-1173.	7.3	67
27	Utilization of Electrochromically Luminescent Transitionâ€‘Metal Complexes for Erasable Information Recording and Temperatureâ€‘Related Information Protection. Advanced Materials, 2016, 28, 7137-7142.	21.0	106
28	Upconversion Luminescent Chemodosimeter Based on NIR Organic Dye for Monitoring Methylmercury In Vivo. Advanced Functional Materials, 2016, 26, 1945-1953.	14.9	106
29	A carborane-triggered metastable charge transfer state leading to spontaneous recovery of mechanochromic luminescence. Chemical Communications, 2016, 52, 12494-12497.	4.1	82
30	A Mitochondriaâ€‘Targeted Photosensitizer Showing Improved Photodynamic Therapy Effects Under Hypoxia. Angewandte Chemie, 2016, 128, 10101-10105.	2.0	77
31	A Mitochondriaâ€‘Targeted Photosensitizer Showing Improved Photodynamic Therapy Effects Under Hypoxia. Angewandte Chemie - International Edition, 2016, 55, 9947-9951.	13.8	422
32	A series of iridophosphors with tunable excited states for hypoxia monitoring via time-resolved luminescence microscopy. Journal of Materials Chemistry C, 2016, 4, 10638-10645.	5.5	17
33	Phosphorescent Polymeric Thermometers for In Vitro and In Vivo Temperature Sensing with Minimized Background Interference. Advanced Functional Materials, 2016, 26, 4386-4396.	14.9	162
34	Dual-emissive Polymer Dots for Rapid Detection of Fluoride in Pure Water and Biological Systems with Improved Reliability and Accuracy. Scientific Reports, 2015, 5, 16420.	3.3	48
35	Bioorthogonal Labeling, Bioimaging, and Photocytotoxicity Studies of Phosphorescent Ruthenium(II) Polypyridine Dibenzocyclooctyne Complexes. Chemistry - A European Journal, 2015, 21, 10729-10740.	3.3	25
36	Development of Twoâ€‘Channel Phosphorescent Coreâ€‘Shell Nanoprobe for Ratiometric and Timeâ€‘Resolved Luminescence Imaging of Intracellular Oxygen Levels. Particle and Particle Systems Characterization, 2015, 32, 48-53.	2.3	13

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37	An Electrochromic Phosphorescent Iridium(III) Complex for Information Recording, Encryption, and Decryption. <i>Advanced Optical Materials</i> , 2015, 3, 368-375.	7.3	72
38	Phosphorescence switch and logic gate of iridium(III) complexes containing a triarylboron moiety triggered by fluoride and an electric field. <i>Journal of Materials Chemistry C</i> , 2015, 3, 1883-1887.	5.5	23
39	Fluorescent/phosphorescent dual-emissive conjugated polymer dots for hypoxia bioimaging. <i>Chemical Science</i> , 2015, 6, 1825-1831.	7.4	205
40	Dual-Emissive Cyclometalated Iridium(III) Polypyridine Complexes as Ratiometric Biological Probes and Organelle-Selective Bioimaging Reagents. <i>Inorganic Chemistry</i> , 2015, 54, 6582-6593.	4.0	100
41	Core-shell structured phosphorescent nanoparticles for detection of exogenous and endogenous hypochlorite in live cells via ratiometric imaging and photoluminescence lifetime imaging microscopy. <i>Chemical Science</i> , 2015, 6, 301-307.	7.4	124
42	Smart responsive phosphorescent materials for data recording and security protection. <i>Nature Communications</i> , 2014, 5, 3601.	12.8	694